

BULLETIN OF ZOOLOGICAL NOMENCLATURE

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Notices

(1) Applications and correspondence relating to applications to the Commission should be sent to the Executive Secretary at the address given on the inside of the front cover and on the Commission website. English is the official language of the *Bulletin*. Please take careful note of instructions to authors (present in a one or two page form in each volume and available online at <http://iczn.org/content/guidelines-case-preparation>) as incorrectly formatted applications will be returned to authors for revision. The Commission's Secretariat will answer general nomenclatural (as opposed to purely taxonomic) enquiries and assist with the formulation of applications and, as far as it can, check the main nomenclatural references in applications. Correspondence should be sent by e-mail to 'iczn@nhm.ac.uk' where possible.

(2) The Commission votes on applications eight months after they have been published, although this period is normally extended to enable comments to be submitted. Comments for publication relating to applications (either in support or against, or offering alternative solutions) should be submitted as soon as possible. Comments may be edited (see instructions for submission of comments at <http://iczn.org/content/instructions-comments>).

(3) Requests for help and advice on the Code can be made direct to the Commission and other interested parties via the Internet. Membership of the Commission's Discussion List is free of charge. You can subscribe and find out more about the list at <http://list.afriherp.org/mailman/listinfo/iczn-list>.

(4) The Commission also welcomes the submission of general-interest articles on nomenclatural themes or nomenclatural notes on particular issues. These may deal with taxonomy, but should be mainly nomenclatural in content. Articles and notes should be sent to the Executive Secretary.

New applications to the Commission

The following new applications have been received since the last issue of the *Bulletin* (volume 67, part 2, 30 June 2010) went to press. Under Article 82 of the Code, the existing usage of names in the applications is to be maintained until the Commission's rulings on the applications (the Opinions) have been published.

CASE 3526: *Salmo formosanus* Jordan & Oshima, 1919 (currently *Oncorhynchus formosanus*) (Pisces, SALMONIDAE): proposed conservation of the specific name. H.-C. Ho & J.-C. Gwo.

CASE 3527: *Anguis jamaicensis* Shaw, 1802 (currently *Typhlops jamaicensis*; Reptilia, Serpentes): proposed conservation of the specific name by a ruling that it is not to be treated as a replacement name for *A. lumbricalis* Linnaeus, 1758 (currently

T. lumbricalis) and the designation of neotypes for both taxa. M. Domínguez & R.E. Díaz, Jr.

CASE 3528: *Ephippus* Cuvier, 1816, EPHIPPIDAE Gill, 1861, *Scatophagus* Cuvier, 1831 and SCATOPHAGIDAE Bleeker, 1876 (Osteichthyes): proposed conservation of current usage by designation of *Chaetodon orbis* Bloch, 1787 as type species of *Ephippus*. M. Kottelat.

CASE 3529: *Otiorhynchus* Germar, 1824 and *Loborhynchus* Schoenherr, 1823 (Insecta, Coleoptera): proposed emendation of entries on the Official Lists of Names and Works in Zoology. C.H.C. Lyal & M.A. Alonso-Zarazaga.

CASE 3530: PLINTHINI Lacordaire, 1863 and *Plinthus* Germar, 1817 (Insecta, Coleoptera): proposed conservation by validation of *Curculio megerlei* Panzer, [1804] as type species. M.A. Alonso-Zarazaga & C.H.C. Lyal.

CASE 3531: *Sematura* Dalman, 1825 (Insecta, Lepidoptera, SEMATURIDAE): proposed precedence over *Mania* Hübner, 1821. M.J.W. Cock & G. Lamas.

CASE 3532: *Murex tubercularis* Montagu, 1803 (currently *Cerithiopsis tubercularis*; Mollusca, Gastropoda, CERITHIOPSIDAE): proposed conservation of usage of the specific name by designation of a neotype. A. Cecalupo & E. Robba.

CASE 3533: *Neobisium* Chamberlin, 1930 (Arachnida, Pseudoscorpiones): proposed precedence over *Blothrus* Schiödte, 1847. M.S. Harvey & V. Mahnert.

Trustee John Callomon 1928–2010

We deeply regret to announce the death of Professor John Callomon, who was a Trustee of the ITZN from 1980 to 2007. John Callomon was a Professor of Chemistry at University College, London, and distinguished for his research in high-resolution molecular spectroscopy. He was a polymath, and also renowned for his work in taxonomy. His principal contribution was in advancing stratigraphical concepts and palaeobiology of Jurassic ammonites, the fossils which form the basis for biostratigraphical division of the Jurassic System. His interest in palaeontology stemmed from pre-university days and he became an internationally acknowledged expert in this field. He recognised the importance of detailed examination of populations of specimens, combining an understanding of taxonomic and intra-specific variation of organisms. This led to his pioneering discovery of sexual dimorphism in ammonites, which in turn improved our ability to understand their biology, to define taxa and to use them in geological dating. His clarity of thought and keen participation in any field-based enterprises involving Jurassic strata will be missed by many. The Trust and Secretariat send condolences to Prof. Callomon's family and colleagues, with thanks for his support of the aims of the ICZN through his many years of service to the ITZN.

International Commission on Zoological Nomenclature Fundraising Lecture

Thursday 16 December at 7.00 pm Ondaatje Theatre, Royal Geographical Society,
London

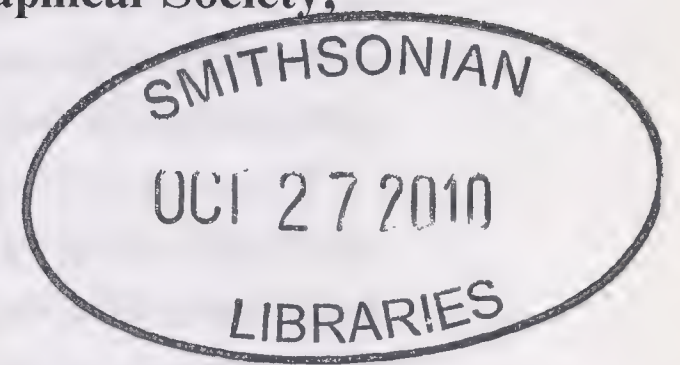
What's in a name?**Sir David Attenborough and Prof. Richard Fortey on animals**

With his delight and enthusiasm for biodiversity, Sir David shares some of his favourite encounters with animals. Prof. Fortey explains why scientific names are more than just labels, with stories of trilobites and field adventures.

See the ICZN website for information on tickets.

<http://iczn.org> iczn@nhm.ac.uk

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**Contributions to the Discussion on Electronic Publication V****Introduction**

This is the fifth instalment of comments on the ICZN proposed amendment on electronic-only publication, which would allow publication of nomenclatural acts on exclusively electronic media to be valid and available. The proposed amendment is available in the BZN **65**: 265–275, online at <http://iczn.org/epub> and further discussion at <http://iczn.org/content/availability-electronic-publication>. We have sought input from all stakeholders in this process, including taxonomists, publishers, archivists, database experts and the wide range of users of nomenclatural information. The IUBS has approved the principles underlying the proposed amendment.

The date for the Commission's vote has not yet been set. We will initiate a new method for making comments available online on the ICZN website in advance of the print copy of the BZN, thus we will welcome further contributions on this topic in the near future. We also encourage continued debate through listservers (e.g. ICZN listserv (<http://list.afriherp.org/mailman/listinfo/iczn-list>) and Taxacom (<http://mailman.nhm.ku.edu/mailman/listinfo/taxacom>)) and the various journals that have published the proposed amendment.

Ellinor Michel, Svetlana Nikolaeva, Steve Tracey, Natalie Dale-Skey & Edward Baker

(1) Gerhard Haszprunar and Stefan Schmidt

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As editors of our house journal *Spixiana* and the *Journal of Hymenoptera Research* we would like to make a comment and recommendation regarding the acceptance of

electronic-only publication of nomenclatural acts. We fully support the Commission's pioneering work in proposing an amendment to the Code, as published in the *Bulletin of Zoological Nomenclature*, *Zootaxa* and several other journals in October 2008. We also agree that electronic-only publication of such acts must be allowed following the adoption of this amendment.

There is little doubt that in just a few years hard copy publication of *Spixiana* and the *Journal of Hymenoptera Research* will probably cease altogether, as is the case with several existing journals. We also fully support the proposal that mandatory registration of all electronic-only published acts in the ZooBank register should be required before any such acts can be considered valid. We are more than willing to implement mandatory registration on all acts published in our journal. We would hope that retrospective registration of all previous acts back to Linnaeus (1758) will follow shortly.

We are concerned that the proposed amendment was published 18 months ago, and yet the amendment is still under discussion. We strongly support the adoption of this amendment, we congratulate the Commission and the Commission Secretariat on this initiative, and we recommend rapid action to implement the amendment into the current Code.

(2) Lyubomir Penev (ZooKeys)

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(e-mail: info@pensoft.net)

With this letter, ZooKeys (www.pensoftonline.net/zookeys) wants to express its unequivocal support for the proposed amendment to the Code of Zoological Nomenclature (ICZN, 2008) to allow electronic-only publication of nomenclatural acts. We have expressed our opinion in several fora and in personal conversations with the Executive Secretary and several ICZN Commissioners. Let us, however, highlight once again the steps ZooKeys has undertaken since its inception less than two years ago to support e-only publications and development of e-based publishing, dissemination and archiving of taxonomic information.

ZooKeys was the first taxonomic journal to implement several important innovations towards e-publishing, such as:

- (1) Mandatory registration of all newly described taxa in ZooBank.
- (2) Mandatory open access to published contents.
- (3) Mandatory archiving of new taxon names with the Encyclopedia of Life (including text descriptions), Globalnames.org, Wikispecies and others.
- (4) Mandatory indexing of published specimen record datasets through the GBIF infrastructure.
- (5) Development of protocols and methods for publication of datasets and interactive key files.
- (6) Development of XML-based work flow to implement the TaxPub XML schema (an extension of the National Library of Medicine DTD) allowing automated dissemination, indexing and archiving of published content (see also www.plazi.org).

At the same time, ZooKeys continues to produce a full-colour, high-resolution printed version, for those libraries or private customers who prefer to have the journal in print.

The reasons for our strong support of the proposed amendment may be summarised as follows:

(1) Advances in digital printing technology mean that the line between electronic and paper publishing is becoming obscured. In a growing number of cases, it is virtually impossible to know whether certain provisions of the Code concerning paper copies and library archiving have been met (Krell, 2009).

(2) Presence of paper copies does not guarantee stable preservation anymore because the risk that a few printed copies will get lost is much higher than that of a properly published, disseminated and archived e-publication.

(3) Dissemination of e-publications is incomparably more efficient than that of the printed versions. Proper archiving of electronic content by the journal coupled with wide circulation mean that news of new nomenclatural acts can be spread almost instantaneously through email lists, RSS feeds, and other electronic means. Dissemination of electronic documents within the taxonomic community is at least as good a guarantee of archival preservation as those specified for paper publications in the current Code.

(4) Publications available in electronic form can be disseminated around the world with much greater ease and efficiency than paper-only publications. This is particularly important because the world's most complete science libraries tend to be located far from the greatest concentrations of biodiversity.

(5) Recently developed standards and technologies for data publishing, with leadership from TDWG and GBIF, could make printed documents and perhaps even PDFs irrelevant to taxonomic publishing, possibly within just a few years.

(6) We anticipate that new generations of taxonomists will tend to decrease their reliance on paper publications. Future taxonomists will expect access to all contemporary and to most historical literature from their institutional computers. Satisfying this expectation will make taxonomic contributions more efficient to produce and easier to use.

(7) Curtailing consumption of paper saves nature!

Our support for e-only publications should be considered valid if four pre-conditions are clearly met:

(1) Mandatory registration of nomenclatural acts in ZooBank including most important aspects of the act: name, author, publication metadata, type specimen/species.

(2) Requirements for archiving of e-only publications in a limited number of internationally recognised, ISO-certified archives. Our strong recommendation is for PubMedCentral because (i) they are supportive of taxonomy through developing their TaxPub NLM DTD extension, (ii) PubMedCentral and PubMed are closely interlinked with NCBI and GenBank, and (iii) their archiving requirements are strict enough to guarantee long-term preservation of published information.

(3) Recommendation for deposition and dissemination of published nomenclatural acts, as well as data on type material, to a list of internationally recognised, general or taxon-based aggregators.

(4) Recommendation for all nomenclatural acts to be published open access, or to be made open access within six months after publishing.

The list of people who supported ZooKeys' opinion can be seen at <http://pensoftonline.net/zookeys/Letter>.

References

- ICZN (International Commission on Zoological Nomenclature).** 2008. Proposed amendment of the International Code of Zoological Nomenclature to expand and refine methods of publication. *Zootaxa*, **1908**: 57–67 (also published in: *Biological Journal of the Linnean Society*, **95**: 874–881; *Zoological Journal of the Linnean Society*, **154**: 848–855; *African Invertebrates*, **49**: 1–11; *Bulletin of Zoological Nomenclature*, **65**: 265–275; *Journal of Crustacean Biology* (2009), **29**: 275–280).
- Krell, F.-T.** 2009. ZooBank and the next edition of the Code – challenges and new developments in the 250th year of zoological nomenclature. *Aquatic Insects*, **31** (Suppl. 1): 269–282.